

**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: OLGA CHERNYSHEV Examiner #: 78208 Date: 07/08/02  
 Art Unit: 1646 Phone Number 305-1003 Serial Number: 09/719,944  
 Mail Box and Bldg/Room Location: 10E18 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Point of Contact:

**Toby Port**

**Technical Info. Specialist**

**CM1 8A04**

**703-308-3634**

Earliest Priority Filing Date: 06/15/99

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for 102 art on dietary supplement comprising colostrinin, lactoferrin, selenium (in a form of selenoprotein) and interleukin 1- $\alpha$ . OR: 102 for colostrinin, lactoferrin and selenium and 103 for selenoprotein and interleukin 1- $\alpha$ , and the use of all these ingredients in baby formula (claims 7-8).

Thank you!

**STAFF USE ONLY**

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN <u>237</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>7/9</u>	Bibliographic <u>X</u>	Dr.Link _____
Date Completed: <u>7/15</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>30</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>90</u>	Other _____	Other (specify) _____

07/15/02

Colostrinin, lactoferrin, selenium,  
selenoprotein, interferon- $\alpha$ 

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AN 1998:219828 CAPLUS

DN 128:279007

TI **Colostrinin**, isolation thereof, and use in treatment of disorders of the central nervous system and immune system

IN Janusz, Marin; Lisowski, Jozef; Dubowska-Inglot, Anna

PA Ludwick Hirszfild Institute of Immunology and Experimental Therapy Polish Academy of Sciences, Pol.; Georgiades Biotech Ltd.; Janusz, Marin; Lisowski, Jozef; Dubowska-Inglot, Anna

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07K014-47

ICS C07K007-06; C07K001-14; A61K035-20; A61K038-08

CC 1-12 (Pharmacology)

Section cross-reference(s): 13

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9814473	A1	19980409	WO 1997-GB2721	19971003
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CN 1238782	A	19991215	CN 1997-198535	19970310
AU 9745651	A1	19980424	AU 1997-45651	19971003
GB 2333453	A1	19990728	GB 1999-8331	19971003
GB 2333453	B2	20010530		
EP 932623	A1	19990804	EP 1997-944005	19971003
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9712259	A	20000125	BR 1997-12259	19971003
GB 2352176	A1	20010124	GB 2000-23325	19971003
GB 2352176	B2	20010530		
JP 2001501929	T2	20010213	JP 1998-516329	19971003
KR 2000048886	A	20000725	KR 1999-702904	19990402
PRAI PL 1996-316416	A	19961003		
GB 1				

TI **Dietary supplement** containing colostrinin,  
**lactoferrin**, and selenium

IN Georgiades, Jerzy A.

PA Regen Biotech Limited, UK

SO PCT Int. Appl., 13 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A23L001-00

CC 17-14 (Food and Feed Chemistry)

Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9965329	A2	19991223	WO 1999-GB1878	19990615 <--
	WO 9965329	A3	20000713		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9943787	A1	20000105	AU 1999-43787	19990615
	GB 2354153	A1	20010321	GB 2001-1051	19990615
PRAI	GB 1				

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AN 2001:136927 CAPLUS

DN 134:188199

TI Use of **colostrinin**, constituent peptides, and analogs for inducing cytokines and as blood cell regulators

IN Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh, Istvan; Georgiades, Jerzy

PA The University of Texas System, USA; Regen Therapeutics PLC

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DT Patent

LA English

IC A61K038-08

CC 1-7 (Pharmacology)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001011937	A2	20010222	WO 2000-US22818	20000817
	WO 2001011937	A3	20010907		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IS, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 2000069197	A5	20010313	AU 2000-69197	20000817
PRAI	US 1999-149311P	P	19990817		
	WO 2000-US22818	W	20000817		
AB	The invention discloses a use of <b>colostrinin</b> , a constituent peptide thereof, and/or an analog thereof as an immunol. regulator and as a blood cell regulator in animals, including humans.				
ST	peptide <b>colostrinin</b> cytokine prodn blood cell regulation				
IT	Cell proliferation (blood cell; <b>colostrinin</b> , peptides, and analogs for inducing cytokines and as blood cell regulators)				
IT	Animal tissue culture Cell differentiation Colostrum Drug delivery systems Immu				

2002 ACS  
 AN 2001:137234 CAPLUS  
 DN 134:188229  
 TI Use of **colostrinin**, constituent peptides, and analogs as  
 oxidative stress regulators  
 IN Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh, Istvan  
 PA The University of Texas System, USA  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM C07K  
 CC 1-12 (Pharmacology)  
 Section cross-reference(s): 62, 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001012650	A2	20010222	WO 2000-US22665	20000817
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,				
	CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,				
	ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,				
	LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,				
	SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,				
	ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2000070617	A5	20010313	AU 2000-70617	20000817
PRAI	US 1999-149310P	P	19990817		
	WO 2000-US22665	W	20000817		
AB	Methods are provided that use compns. contg. <b>colostrinin</b> , a constituent peptide thereof, an active analog thereof, and combinations ther				

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AN 2001:565091 CAPLUS

DN 135:132472

TI Peptide fragments of **colostrinin** and their therapeutic and food additive use

IN Georgiades, Jerzy Alexander

PA Regen Therapeutics PLC, UK

SO PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07K014-47

ICS A61K038-17; A23L001-305; C07K016-18; A61P025-28; A61P037-02

CC 1-12 (Pharmacology)

Section cross-reference(s): 17

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001055199	A1	20010802	WO 2001-GB329	20010126
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	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI GB 2000-1825 A 20000126

AB Fragments of **colostrinin** are disclosed. The peptides are useful e.g. in the treatment of disorders of the immune system and the central nervous system and are also useful as food additives.

ST **colostrinin** peptide immune nervous system disease treatment;  
food additive **colostrinin** peptide

IT Development, mammalian postnatal  
(child, **dietary supplement** for; **colostrinin**  
f

L14 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2002 ACS

AN 2002:449699 CAPLUS

TI Peptides derived from **colostrinin**

IN Georgiades, Jerzy A.

PA Regen Therapeutics PLC, UK

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07K007-00

CC 63-3 (Pharmaceuticals)

Section cross-reference(s): 17

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2002046211	A2	20020613	WO 2001-GB5376	20011205
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,				
	UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ,				

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI GB 2000-29777 A 20001206

AB The amino acid sequence of several peptides is disclosed. These peptides are useful, inter alia, in the treatment of disorders of the immune system

and the central nervous system, and are also useful as food additives.

ST peptide **colostrinin** immunity nervous system sequence mental disorder food

IT Infection

(bacterial; peptides derived from **colostrinin** for therapeutic and nutritional use)

IT Drug delivery systems

(carriers; peptides derived from **colostrinin** for therapeutic and nutritional use)

IT Nervous system

(central, disease, chronic; peptides derived from **colostrinin** for therapeutic and nutritional use)

IT Nervous system

=> file reg

FILE 'REGISTRY' ENTERED AT 15:52:24 ON 15 JUL 2002  
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STRUCTURE FILE UPDATES: 14 JUL 2002 HIGHEST RN 438526-30-8  
DICTIONARY FILE UPDATES: 14 JUL 2002 HIGHEST RN 438526-30-8

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when  
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Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s e1

L4 1 143011-72-7/BI  
(143011-72-7/RN)

=> d ide

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 143011-72-7 REGISTRY  
CN Colony-stimulating factor, granulocyte (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN G-CSF  
CN Granocyte  
CN Granulocyte colony-stimulating factor  
MF Unspecified  
CI COM, MAN  
SR CA  
LC STN Files: BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAPLUS, CEN, CHEMCATS,  
CIN, MEDLINE, MRCK\*, PHAR, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

4086 REFERENCES IN FILE CA (1967 TO DATE)  
101 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4095 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s e2

L5 1 252266-11-8/BI  
(252266-11-8/RN)

=> d ide

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 252266-11-8 REGISTRY  
CN Colostrinin (9CI) (CA INDEX NAME)  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: BIOSIS, CA, CAPLUS, DRUGUPDATES, PHAR, TOXCENTER



\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

12 REFERENCES IN FILE CA (1967 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

12 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s e3

L6 1 3614-08-2/BI  
(3614-08-2/RN)

=> d ide

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 3614-08-2 REGISTRY

CN Alanine, 3-selenyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3-Selenyl-DL-alanine

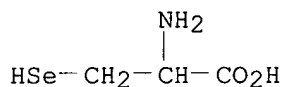
CN DL-Selenocysteine

CN Selenocysteine

DR 18312-66-8

MF C3 H7 N O2 Se

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CAOLD, CAPLUS, CEN, CIN, EMBASE, HSDB\*, NIOSHTIC, PROMT,  
RTECS\*, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)



422 REFERENCES IN FILE CA (1967 TO DATE)

18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

424 REFERENCES IN FILE CAPLUS (1967 TO DATE)

4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s e4

L7 1 7782-49-2/BI  
(7782-49-2/RN)

=> d ide

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 7782-49-2 REGISTRY

CN Selenium (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN C.I. 77805

DR 12640-29-8, 12640-30-1, 12641-96-2, 12733-65-2, 11125-23-8, 11133-88-3,  
95788-45-7, 50954-17-1, 51882-60-1, 37256-19-2, 37258-85-8, 37276-15-6,  
37368-02-8

MF Se

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*,  
DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2,  
HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT,  
NIOSHTIC, PHARMASEARCH, PIRA, PROMT, RTECS\*, TOXCENTER, TULSA, ULIDAT,  
USPAT2, USPATFULL, VETU, VTB

(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Se

48368 REFERENCES IN FILE CA (1967 TO DATE)  
1822 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
48404 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s e5

L8 1 81627-83-0/BI  
(81627-83-0/RN)

=> d ide

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 81627-83-0 REGISTRY  
CN Colony-stimulating factor 1 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN CSF 1  
CN Cytokines, macrophage colony-stimulating factor  
CN Lymphokines, macrophage colony-stimulating factor  
CN M-CSF  
CN Macrophage colony-stimulating factor  
CN Macrophage-monocyte colony-stimulating factor  
CN Monocyte colony-stimulating factor  
MF Unspecified  
CI MAN  
LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,  
CANCERLIT, CAPLUS, CBNB, CEN, CHEMCATS, CIN, DDFU, DRUGNL, DRUGPAT,  
DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK\*, PROMT, RTECS\*,  
TOXCENTER, USPATFULL, VETU  
(\*File contains numerically searchable property data)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

3067 REFERENCES IN FILE CA (1967 TO DATE)  
42 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
3068 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> (file caplus) d que 118; d que 120; d que 121  
FILE 'CAPLUS' ENTERED AT 17:05:37 ON 15 JUL 2002  
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FILE COVERS 1907 - 15 Jul 2002 VOL 137 ISS 3  
 FILE LAST UPDATED: 14 Jul 2002 (20020714/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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L5          1 SEA FILE=REGISTRY ABB=ON  PLU=ON  252266-11-8/BI
L9          12 SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
L12         17 SEA FILE=CAPLUS ABB=ON  PLU=ON  COLOSTRININ
L13         17 SEA FILE=CAPLUS ABB=ON  PLU=ON  L9 OR L12
L14         24090 SEA FILE=CAPLUS ABB=ON  PLU=ON  DIET? (5A) SUPPLEMENT?
L15         3026 SEA FILE=CAPLUS ABB=ON  PLU=ON  LACTOFERRINS+OLD/CT
L16        140289 SEA FILE=CAPLUS ABB=ON  PLU=ON  SELEN?
L17        124196 SEA FILE=CAPLUS ABB=ON  PLU=ON  MILK
L18         12 SEA FILE=CAPLUS ABB=ON  PLU=ON  L13 AND ((L14 OR L15 OR L16 OR
L17))
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L12         17 SEA FILE=CAPLUS ABB=ON  PLU=ON  COLOSTRININ
L13         17 SEA FILE=CAPLUS ABB=ON  PLU=ON  L9 OR L12
L19        264560 SEA FILE=CAPLUS ABB=ON  PLU=ON  FOOD
L20         3 SEA FILE=CAPLUS ABB=ON  PLU=ON  L13 AND L19
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L6          1 SEA FILE=REGISTRY ABB=ON  PLU=ON  3614-08-2/BI
L7          1 SEA FILE=REGISTRY ABB=ON  PLU=ON  7782-49-2/BI
L9          12 SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
L10         48387 SEA FILE=CAPLUS ABB=ON  PLU=ON  L7
L11         444 SEA FILE=CAPLUS ABB=ON  PLU=ON  L6
L21         2 SEA FILE=CAPLUS ABB=ON  PLU=ON  L9 AND (L10 OR L11)
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=> s 118 or 120 or 121  
 L18 OR L20 OR L21

=> file medline; d que 129; d que 134  
 FILE 'MEDLINE' ENTERED AT 17:05:49 ON 15 JUL 2002

FILE LAST UPDATED: 13 JUL 2002 (20020713/UP). FILE COVERS 1958 TO DATE.

On June 9, 2002, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

L27 7 SEA FILE=MEDLINE ABB=ON PLU=ON COLOSTRININE/CN  
L29 1 SEA FILE=MEDLINE ABB=ON PLU=ON L27 AND INFANT, NEWBORN/CT

L22 10125 SEA FILE=MEDLINE ABB=ON PLU=ON SELENIUM/CT  
L24 2767 SEA FILE=MEDLINE ABB=ON PLU=ON LACTOFERRIN/CT  
L27 7 SEA FILE=MEDLINE ABB=ON PLU=ON COLOSTRININE/CN  
L34 0 SEA FILE=MEDLINE ABB=ON PLU=ON L27 AND (L22 OR L24 OR  
SELENOCYSTEINE/CT)

=> file biosis; d que l31; d que l33  
FILE 'BIOSIS' ENTERED AT 17:05:59 ON 15 JUL 2002  
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FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 10 July 2002 (20020710/ED)

L30 12 SEA FILE=BIOSIS ABB=ON PLU=ON COLOSTRIN?  
L31 4 SEA FILE=BIOSIS ABB=ON PLU=ON L30 AND (ALZ? OR MILK)/TI

L30 12 SEA FILE=BIOSIS ABB=ON PLU=ON COLOSTRIN?  
L32 28725 SEA FILE=BIOSIS ABB=ON PLU=ON SELEN? OR LACTOFERR?  
L33 1 SEA FILE=BIOSIS ABB=ON PLU=ON L30 AND L32

=> s l31 or l33  
L49 4 L31 OR L33

=> file embase; d que l35  
FILE 'EMBASE' ENTERED AT 17:07:05 ON 15 JUL 2002  
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FILE COVERS 1974 TO 11 Jul 2002 (20020711/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

L35 2 SEA FILE=EMBASE ABB=ON PLU=ON COLOSTRININE/CT

=> file wpid; d que l38; d que l39; d que l41; d que l42  
FILE 'WPIDS' ENTERED AT 17:07:23 ON 15 JUL 2002  
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FILE LAST UPDATED: 11 JUL 2002 <20020711/UP>  
MOST RECENT DERWENT UPDATE 200244 <200244/DW>  
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> Update 2002-42 does not contain any new polymer indexing <<<  
>>> The BATCH option for structure searches has been  
enabled in WPINDEX/WPIDS and WPIX >>>  
>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY >>>  
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PLEASE VISIT:  
[http://www.stn-international.de/training\\_center/patents/stn\\_guide.pdf](http://www.stn-international.de/training_center/patents/stn_guide.pdf) <<<  
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GUIDES, PLEASE VISIT:  
[http://www.derwent.com/userguides/dwpi\\_guide.html](http://www.derwent.com/userguides/dwpi_guide.html) <<<

L36 10 SEA FILE=WPIDS ABB=ON PLU=ON COLOSTRININ?  
L38 4 SEA FILE=WPIDS ABB=ON PLU=ON L36 AND DIET?

L36 10 SEA FILE=WPIDS ABB=ON PLU=ON COLOSTRININ?  
L39 4 SEA FILE=WPIDS ABB=ON PLU=ON L36 AND SUPP?

L36 10 SEA FILE=WPIDS ABB=ON PLU=ON COLOSTRININ?  
L40 12868 SEA FILE=WPIDS ABB=ON PLU=ON SELEN? OR LACTOFER?  
L41 1 SEA FILE=WPIDS ABB=ON PLU=ON L36 AND L40

L36 10 SEA FILE=WPIDS ABB=ON PLU=ON COLOSTRININ?  
L42 4 SEA FILE=WPIDS ABB=ON PLU=ON L36 AND (FOOD OR FORMULA?)

=> s 138 or 139 or 141 or 142  
L51 5 L38 OR L39 OR L41 OR L42

=> dup rem 129 150 149 135 151  
FILE "MEDLINE" ENTERED AT 17:08:48 ON 15 JUL 2002

FILE 'CAPLUS' ENTERED AT 17:08:48 ON 15 JUL 2002  
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PROCESSING COMPLETED FOR L29  
 PROCESSING COMPLETED FOR L50  
 PROCESSING COMPLETED FOR L49  
 PROCESSING COMPLETED FOR L35  
 PROCESSING COMPLETED FOR L51

~~L53~~ ~~16~~ DUP REM L29 L50 L49 L35 L51 (8 DUPLICATES REMOVED)

ANSWER '1' FROM FILE MEDLINE  
 ANSWERS '2-13' FROM FILE CAPLUS  
 ANSWERS '14-15' FROM FILE BIOSIS  
 ANSWER '16' FROM FILE EMBASE

=> d ibib ab 153 1-16

L53 ANSWER 1 OF 16 MEDLINE  
 ACCESSION NUMBER: 2002062025 MEDLINE  
 DOCUMENT NUMBER: 21645236 PubMed ID: 11787957  
 TITLE: Colostrinin and colostrinin-derived nonapeptide  
 (colostral-val nonapeptide, CVNP) facilitate learning and  
 memory in rats.  
 AUTHOR: Popik P  
 CORPORATE SOURCE: Institute of Pharmacology, Polish Academy of Sciences,  
 Krakow.. nfpopik@cyf-kr.edu.pl  
 SOURCE: POLISH JOURNAL OF PHARMACOLOGY, (2001 Mar-Apr) 53 (2)  
 166-8.  
 Journal code: 9313882. ISSN: 1230-6002.  
 PUB. COUNTRY: Poland  
 (LECTURES)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200207  
 ENTRY DATE: Entered STN: 20020125  
 Last Updated on STN: 20020702  
 Entered Medline: 20020701

L53 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 1  
 ACCESSION NUMBER: 2001:565091 CAPLUS  
 DOCUMENT NUMBER: 135:132472  
 TITLE: Peptide fragments of **colostrinin** and their  
 therapeutic and **food** additive use  
 INVENTOR(S): Georgiades, Jerzy Alexander  
 PATENT ASSIGNEE(S): Regen Therapeutics PLC, UK  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055199	A1	20010802	WO 2001-GB329	20010126
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			GB 2000-1825	A 20000126

AB Fragments of **colostrinin** are disclosed. The peptides are useful e.g. in the treatment of disorders of the immune system and the central nervous system and are also useful as **food** additives.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2

ACCESSION NUMBER: 2001:137234 CAPLUS

DOCUMENT NUMBER: 134:188229

TITLE: Use of **colostrinin**, constituent peptides, and analogs as oxidative stress regulators

INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh, Istvan

PATENT ASSIGNEE(S): The University of Texas System, USA

SOURCE: PCT Int. Appl., 48 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012650	A2	20010222	WO 2000-US22665	20000817
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000070617	A5	20010313	AU 2000-70617	20000817
PRIORITY APPLN. INFO.: US 1999-149310P P 19990817				
WO 2000-US22665 W 20000817				

AB Methods are provided that use compns. contg. **colostrinin**, a constituent peptide thereof, an active analog thereof, and combinations thereof, as oxidative stress regulators.

L53 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 3

ACCESSION NUMBER: 2000:881182 CAPLUS

DOCUMENT NUMBER: 134:37019

TITLE: Peptides present in **Colostrinin** useful in treatment of disorders of immune system and central nervous system

INVENTOR(S): Georgiades, Jerzy A.

PATENT ASSIGNEE(S): Regen Therapeutics PLC, UK

SOURCE: PCT Int. Appl., 63 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075173	A2	20001214	WO 2000-GB2128	20000602
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,				

LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,  
 SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,  
 ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

GB 2367061 A1 20020327 GB 2001-28994 20000602  
 PRIORITY APPLN. INFO.: GB 1999-12852 A 19990602  
 WO 2000-GB2128 W 20000602

AB The amino acid sequence of several peptides present in **Colostrinin** is disclosed. These peptides are useful, inter alia, in the treatment of disorders of the immune system and the central nervous system.

L53 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 4

ACCESSION NUMBER: 1999:811039 CAPLUS  
 DOCUMENT NUMBER: 132:35067  
 TITLE: **Dietary supplement** containing **colostrinin**, lactoferrin, and **selenium**  
 INVENTOR(S): Georgiades, Jerzy A.  
 PATENT ASSIGNEE(S): Regen Biotech Limited, UK  
 SOURCE: PCT Int. Appl., 13 pp.  
 CODEN: PIXXD2

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9965329	A2	19991223	WO 1999-GB1878	19990615
WO 9965329	A3	20000713		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,  
 DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,  
 JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,  
 MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,  
 TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,  
 MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9943787 A1 20000105 AU 1999-43787 19990615  
 GB 2354153 A1 20010321 GB 2001-1051 19990615

PRIORITY APPLN. INFO.: GB 1998-13031 A 19980616  
 WO 1999-GB1878 W 19990615

AB A **dietary supplement** comprises a combination of **colostrinin** and lactoferrin and(or) **selenium**. Thus, a lozenge formulation **dietary supplement** may include 100 .mu.g **colostrinin**, 5 .mu.g **selenium**, and 10 mg purified recombinant human lactoferrin.

L53 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 5

ACCESSION NUMBER: 2000:194775 CAPLUS  
 DOCUMENT NUMBER: 132:231878  
 TITLE: **Colostrinin**: a proline-rich polypeptide (PRP) complex isolated from ovine colostrum for treatment of Alzheimer's disease. A double-blind, placebo-controlled study  
 AUTHOR(S): Leszek, Jerzy; Inglot, Anna D.; Janusz, Maria; Lisowski, Jozef; Krukowska, Katarzyna; Georgiades, Jerzy A.  
 CORPORATE SOURCE: The Psychiatric Unit, University Medical School,



SOURCE: Wroclaw, 50-229, Pol.  
Archivum Immunologiae et Therapiae Experimentalis  
(1999), 47(6), 377-385  
CODEN: AITEAT; ISSN: 0004-069X  
PUBLISHER: Ossolineum Publishing House  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB A proline-rich polypeptide (PRP) complex, subsequently called **Colostrinin**, was isolated from ovine colostrum. The complex showed immunomodulatory properties in mice, rats, and chickens, inducing maturation and differentiation of thymocytes. It was recently found that **Colostrinin** is a cytokine-like factor that acts as an inducer of interferon .gamma. (IFN-.gamma.) and other cytokines in human peripheral blood and cord blood leukocyte cultures and has psycho-immuno-enhancing activity in volunteers. These observations prompted us to study the effect of **Colostrinin** on patients with Alzheimer's disease (AD). Forty six AD patients were divided into 3 groups and randomly assigned to receive orally either **Colostrinin** (100 .mu.g per tablet, every second day), com. available bioorg. **selenium** (100 .mu.g **selenium** per tablet, every second day) or placebo tablets. One cycle of the treatment lasted 3 wk and was sepd. from the next cycle by a 2 wk hiatus. Each patient received 10 cycles of treatment during the year of the clin. trial. Outcomes were assessed by psychiatrists blinded to the treatment assignment. Eight of the 15 AD patients treated with **Colostrinin** improved and in the 7 others the disease had stabilized. In contrast, none of the 31 patients from the **selenium** or placebo groups with similar mild or moderate AD improved. The administration of **selenium** promoted stabilization in 13 of the 15 patients, whereas in the placebo group only 8 of the 16 patients were stabilized at the 12 mo trials end-evaluation. **Colostrinin** was found to be a remarkably safe drug. Mild and transient effects were anxiety, stimulation, insomnia, and tiredness. The results obtained showed that oral administration of **Colostrinin** improves the outcome of AD patients with mild to moderate dementia. The results are very encouraging and deserve further research.

REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 6  
ACCESSION NUMBER: 1999:615086 CAPLUS  
DOCUMENT NUMBER: 131:295505  
TITLE: **Colostrinin**, a polypeptide isolated from early milk, facilitates learning and memory in rats  
AUTHOR(S): Popik, Piotr; Bobula, Bartosz; Janusz, Maria; Lisowski, Jozef; Vetulani, Jerzy  
CORPORATE SOURCE: Institute of Pharmacology, Polish Academy of Sciences, Krakow, 31-343, Pol.  
SOURCE: Pharmacology, Biochemistry and Behavior (1999), 64(1), 183-189  
CODEN: PBBHAU; ISSN: 0091-3057  
PUBLISHER: Elsevier Science Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Initial observations in humans indicated that **colostrinin**, a complex of polypeptides derived from the colostrum of sheep, facilitates cognitive functioning in patients with Alzheimer's disease. Its effect on learning and memory in more controlled settings as well as the specificity of these effects were, however, unknown. The present expts. evaluated the effects of **colostrinin** on spatial learning (Morris water maze) and incidental memory (habituation test) in male Wistar rats of two age

groups. **Colostrinin**, at a dose of 4 .mu.g/rat IP, facilitated acquisition of spatial learning of 13- (aged) but not 3-mo-old (young) rats. At the same dose, it improved incidental learning in aged rats, while the dose of 20 pig/rat attenuated it. **Colostrinin** did not change locomotor activity of rats. Taken together, the present findings indicate that **colostrinin** may have some beneficial effects on cognitive functioning, particularly in aged subjects. Given the fact that colostrum is the first nutritive agent of neonates, it might be speculated that its peptides may facilitate the early postnatal development of the cerebral neurons and their plasticity.

REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 7

ACCESSION NUMBER: 1998:219828 CAPLUS

DOCUMENT NUMBER: 128:279007

TITLE: **Colostrinin**, isolation thereof, and use in treatment of disorders of the central nervous system and immune system

INVENTOR(S): Janusz, Marin; Lisowski, Jozef; Dubowska-Inglot, Anna

PATENT ASSIGNEE(S): Ludwick Hirszfild Institute of Immunology and Experimental Therapy Polish Academy of Sciences, Pol.; Georgiades Biotech Ltd.; Janusz, Marin; Lisowski, Jozef; Dubowska-Inglot, Anna

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9814473	A1	19980409	WO 1997-GB2721	19971003
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CN 1238782	A	19991215	CN 1997-198535	19970310
AU 9745651	A1	19980424	AU 1997-45651	19971003
GB 2333453	A1	19990728	GB 1999-8331	19971003
GB 2333453	B2	20010530		
EP 932623	A1	19990804	EP 1997-944005	19971003
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9712259	A	20000125	BR 1997-12259	19971003
GB 2352176	A1	20010124	GB 2000-23325	19971003
GB 2352176	B2	20010530		
JP 2001501929	T2	20010213	JP 1998-516329	19971003
KR 2000048886	A	20000725	KR 1999-702904	19990402
PRIORITY APPLN. INFO.:			PL 1996-316416	A 19961003
			GB 1999-8331	A3 19971003
			WO 1997-GB2721	W 19971003

AB The use is disclosed of **Colostrinin** as a medicament, particularly in the treatment of chronic disorders of the central nervous system and the immune system. Isolation of sheep **colostrinin**, and of a nonapeptide fragment thereof, is also described.

L53 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:449699 CAPLUS  
 DOCUMENT NUMBER: 137:37620  
 TITLE: Peptides derived from **colostrinin**  
 INVENTOR(S): Georgiades, Jerzy A.  
 PATENT ASSIGNEE(S): Regen Therapeutics PLC, UK  
 SOURCE: PCT Int. Appl., 16 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002046211	A2	20020613	WO 2001-GB5376	20011205
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: GB 2000-29777 A 20001206  
 AB The amino acid sequence of several peptides is disclosed. These peptides are useful, inter alia, in the treatment of disorders of the immune system and the central nervous system, and are also useful as **food** additives.

L53 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:142540 CAPLUS  
 DOCUMENT NUMBER: 136:194274  
 TITLE: Use of **colostrinin**, constituent peptides thereof, and analogs thereof as oxidative stress regulators  
 INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh, Istvan  
 PATENT ASSIGNEE(S): The University of Texas System, USA  
 SOURCE: PCT Int. Appl., 51 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013850	A1	20020221	WO 2000-US22776	20000817
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

AB The present invention provides methods that utilize compns. contg.

**colostrinin**, an constituent peptide thereof, an active analog thereof, and combinations thereof, as an oxidative stress regulator.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:142539 CAPLUS

DOCUMENT NUMBER: 136:194245

TITLE: Use of **colostrinin**, constituent peptides thereof, and analogs thereof for inducing cytokines

INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh, Istvan; Georgiades, Jerzy

PATENT ASSIGNEE(S): The University of Texas System, USA; Regen Therapeutics PLC

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013849	A1	20020221	WO 2000-US22775	20000817

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AB The present invention discloses a use of **colostrinin**, a constituent peptide thereof, and/or an analog thereof as an immunol. regulator and as a blood cell regulator in animals including humans.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:136927 CAPLUS

DOCUMENT NUMBER: 134:188199

TITLE: Use of **colostrinin**, constituent peptides, and analogs for inducing cytokines and as blood cell regulators

INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh, Istvan; Georgiades, Jerzy

PATENT ASSIGNEE(S): The University of Texas System, USA; Regen Therapeutics PLC

SOURCE: PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001011937	A2	20010222	WO 2000-US22818	20000817
WO 2001011937	A3	20010907		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,

CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IS, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,  
SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,  
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2000069197 A5 20010313 AU 2000-69197 20000817  
PRIORITY APPLN. INFO.: US 1999-149311P P 19990817  
WO 2000-US22818 W 20000817

AB The invention discloses a use of **colostrinin**, a constituent peptide thereof, and/or an analog thereof as an immunol. regulator and as a blood cell regulator in animals, including humans.

L53 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:121043 CAPLUS

DOCUMENT NUMBER: 137:18058

TITLE: Towards an understanding of biological role of **colostrinin** peptides

AUTHOR(S): Kruzel, Marian L.; Janusz, Maria; Lisowski, Jozef; Fischleigh, Robert V.; Georgiades, Jerzy A.

CORPORATE SOURCE: Houston Health Science Center, University of Texas, Houston, TX, USA

SOURCE: Journal of Molecular Neuroscience (2001), 17(3), 379-389

CODEN: JMNEES; ISSN: 0895-8696

PUBLISHER: Humana Press Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The aim of this study was to elucidate the structure and possible function of **colostrinin**, also known as a proline rich polypeptide (PRP). The mol. wt. of **colostrinin** was originally detd. by gel filtration to be 17,200 daltons. In the presence of guanidinium chloride, however, the mol. wt. was found to be about 6,000 daltons. Further studies utilizing high-performance liq. chromatog. (HPLC) and mass spectroscopy revealed that **colostrinin** is a complex consisting of many low mol.-wt. polypeptides. A total of 32 peptides were isolated from the original **colostrinin** prepn. by HPLC and subjected to the N-terminal sequence anal. The results of sequence anal. revealed significant homol. of the peptides to three protein precursors: annexin, .beta.-casein, and a hypothetical .beta.-casein homolog. In addn., the sequence of several peptides showed no significant homol. to any specific protein in the current GenBank database. The synthetic peptides of various lengths representing the N-terminal sequence of the **colostrinin** peptides were made to study some biol. effects. Here we report that **colostrinin** and some of its component peptides are potent inducers of leukocyte proliferation and of certain cytokines. Also, a series of monospecific antibodies were produced in rabbits against the synthetic peptides. The antibodies were used to study the kinetic of antigen redn. in colostrum and mature **milk** following lambing. A threefold decrease was common for most antigens studied over the period of 72 h. Based on the results of these studies we postulate that **colostrinin** represents a diverse group of peptides produced in the mammary gland of mammals for the development of the optimal physiol. responses in offspring. Also, it is hoped that the beneficial use of **colostrinin** in Alzheimer's disease, recently reported elsewhere, will revive interest in its clin. application for treatment and/or prophylaxis of many age-related disorders.

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 14 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:54643 BIOSIS  
DOCUMENT NUMBER: PREV200200054643  
TITLE: Milking nature for **Alzheimer's** treatment.  
AUTHOR(S): Owens, Joanna  
CORPORATE SOURCE: E-mail: Joanna.Owens@drugdiscoverytoday.com  
SOURCE: Drug Discovery Today, (1st September, 2001) Vol. 6, No. 17,  
pp. 866-868. print.  
ISSN: 1359-6446.  
DOCUMENT TYPE: News Announcement  
LANGUAGE: English

L53 ANSWER 15 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2000:542461 BIOSIS  
DOCUMENT NUMBER: PREV200000542461  
TITLE: **Colostrinin**: A polypeptide isolated from early  
**milk**, for treatment of **Alzheimer's**  
disease.  
AUTHOR(S): Leszek, J. (1); Inglot, A. D.; Janusz, M.; Lisowski, J.;  
Kiejna, A. (1); Georgiades, J.  
CORPORATE SOURCE: (1) Clinic of Psychiatry, University of Wroclaw, Wroclaw  
Poland  
SOURCE: European Neuropsychopharmacology, (September, 2000) Vol.  
10, No. Supplement 3, pp. S364. print.  
Meeting Info.: 13th Congress of the European College of  
Neuropsychopharmacology Munich, Germany September 09-13,  
2000  
ISSN: 0924-977X.  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L53 ANSWER 16 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 1998021409 EMBASE  
TITLE: Immunological aspects of Alzheimer's disease.  
AUTHOR: Leszek J.  
CORPORATE SOURCE: J. Leszek, Department of Psychiatry, University of  
Medicine, Wroclaw, Poland  
SOURCE: Journal of Neural Transmission, (1997) 104/10 (1145-1147).  
Refs: 7  
ISSN: 0300-9564 CODEN: JNTRF3  
COUNTRY: Germany  
DOCUMENT TYPE: Journal; Conference Article  
FILE SEGMENT: 008 Neurology and Neurosurgery  
037 Drug Literature Index  
LANGUAGE: English

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